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# Customer information packet

## CL3514

1.5HP, 1725RPM, 1PH, 60HZ, 56C, 3532LC, TEFC, F

Class - None

Division - Not Applicable

## Specifications

|                                |                                         |
|--------------------------------|-----------------------------------------|
| Enclosure                      | TEFC                                    |
| Frame                          | 56C                                     |
| Frame Material                 | Steel                                   |
| Frequency                      | 60.00 Hz                                |
| Haz Area Class and Group       | None                                    |
| Haz Area Division              | Not Applicable                          |
| Motor Letter Type              | Cap Start, Cap Run                      |
| Output @ Frequency             | 1.500 HP @ 60 HZ                        |
| Phase                          | 1                                       |
| Synchronous Speed @ Frequency  | 1800 RPM @ 60 HZ                        |
| Voltage @ Frequency            | 115.0 V @ 60 HZ<br>230.0 V @ 60 HZ      |
| Agency Approvals               | CSA<br>UR                               |
| Ambient Temperature            | 40 °C                                   |
| Auxiliary Box                  | NO AUXILLARY BOX                        |
| Auxiliary Box Lead Termination | None                                    |
| Base Indicator                 | Rigid                                   |
| Bearing Grease Type            | Polyrex EM (-20F +300F)                 |
| Blower                         | None                                    |
| Current @ Voltage              | 6.100 A @ 230.0 V<br>12.200 A @ 115.0 V |
| Design Code                    | L                                       |
| Drip Cover                     | No Drip Cover                           |
| Duty Rating                    | CONT                                    |
| Efficiency @ 100% Load         | 80.0 %                                  |
| Electrically Isolated Bearing  | Not Electrically Isolated               |
| Feedback Device                | NO FEEDBACK                             |
| Front Shaft Indicator          | None                                    |
| Heater Indicator               | No Heater                               |
| High Voltage Full Load Amps    | 6.1 a                                   |
| Insulation Class               | F                                       |

## Part detail

|              |            |
|--------------|------------|
| Revision     | L          |
| Type         | AC         |
| Mech. spec.  | 35E024     |
| Base         |            |
| Status       | PRD/A      |
| Elec. spec.  | 35WGG242   |
| Layout       | 35LYE024   |
| Eff. date    | 05-20-2025 |
| CD Diagram   | CD0055     |
| Poles        | 04         |
| Leads        | 6#18       |
| Proprietary  | False      |
| Created date | 08-01-2022 |

|                               |                     |
|-------------------------------|---------------------|
| Inverter Code                 | Not Inverter        |
| KVA Code                      | H                   |
| Lifting Lugs                  | No Lifting Lugs     |
| Locked Bearing Indicator      | Locked Bearing      |
| Motor Lead Quantity/Wire Size | 7 @ 18 AWG          |
| Motor Lead Termination        | Flying Leads        |
| Motor Standards               | NEMA                |
| Motor Type                    | 3532LC              |
| Mounting Arrangement          | F1                  |
| Number of Poles               | 4                   |
| Overall Length                | 14.10 IN            |
| Power Factor                  | 98                  |
| Product Family                | General Purpose     |
| Pulley End Bearing Type       | Ball                |
| Pulley Face Code              | C-Face              |
| Pulley Shaft Indicator        | Standard            |
| Rodent Screen                 | None                |
| Service Factor                | 1.15                |
| Shaft Diameter                | 0.625 IN            |
| Shaft Ground Indicator        | No Shaft Grounding  |
| Shaft Rotation                | Reversible          |
| Shaft Slinger Indicator       | No Slinger          |
| Speed                         | 1725 rpm            |
| Speed Code                    | Single Speed        |
| Starting Method               | Direct on line      |
| Thermal Device - Bearing      | None                |
| Thermal Device - Winding      | None                |
| Vibration Sensor Indicator    | No Vibration Sensor |
| Winding Thermal 1             | None                |
| Winding Thermal 2             | None                |

## Nameplate

| NP1256L      |              |      |     |      |   |       |   |  |  |
|--------------|--------------|------|-----|------|---|-------|---|--|--|
| CAT.NO.      | CL3514       |      |     |      |   |       |   |  |  |
| SPEC.        | 35E024G242   |      |     |      |   |       |   |  |  |
| HP           | 1.5          |      |     |      |   |       |   |  |  |
| VOLTS        | 115/230      |      |     |      |   |       |   |  |  |
| AMP          | 12.2/6.1     |      |     |      |   |       |   |  |  |
| RPM          | 1725         |      |     |      |   |       |   |  |  |
| FRAME        | 56C          |      | HZ  | 60   |   | PH    | 1 |  |  |
| SER.F.       | 1.15         | CODE | H   | DES  | L | CLASS | F |  |  |
| NEMA-NOM-EFF | 80           | PF   | 98  |      |   |       |   |  |  |
| RATING       | 40C AMB-CONT |      |     |      |   |       |   |  |  |
| CC           |              |      |     |      |   |       |   |  |  |
| DE           | 6205         |      | ODE | 6203 |   |       |   |  |  |
| ENCL         | TEFC         | SN   |     |      |   |       |   |  |  |
|              |              |      |     |      |   |       |   |  |  |

## AC Induction Motor Performance Data

Record # 105134

Typical performance - not guaranteed values

| Winding: 35WGG242-R001 |    |              | Type: 3532LC |                                         | Enclosure: TEFC       |                |                             |
|------------------------|----|--------------|--------------|-----------------------------------------|-----------------------|----------------|-----------------------------|
| Nameplate Data         |    |              |              | 115 V, 60 Hz:<br>Low Voltage Connection |                       |                |                             |
| Rated Output (HP)      |    | 1.5          |              | Full Load Torque                        |                       | 4.57 LB-FT     |                             |
| Volts                  |    | 115/230      |              | Start Configuration                     |                       | direct on line |                             |
| Full Load Amps         |    | 12.2/6.1     |              | Breakdown Torque                        |                       | 9.9 LB-FT      |                             |
| R.P.M.                 |    | 1725         |              | Pull-up Torque                          |                       | 8.1 LB-FT      |                             |
| Hz                     | 60 | Phase        | 1            | Locked-rotor Torque                     |                       | 13 LB-FT       |                             |
| NEMA Design Code       |    | L            | KVA Code     | H                                       | Starting Current      |                | 88 A                        |
| Service Factor (S.F.)  |    | 1.15         |              | No-load Current                         |                       | 1.68 A         |                             |
| NEMA Nom. Eff.         |    | 80           | Power Factor | 98                                      | Line-line Res. @ 25°C |                | 0.517 Ω A Ph<br>1.32 Ω B Ph |
| Rating - Duty          |    | 40C AMB-CONT |              | Temp. Rise @ Rated Load                 |                       | 61°C           |                             |
| S.F. Amps              |    |              |              | Temp. Rise @ S.F. Load                  |                       | 76°C           |                             |
|                        |    |              |              | Locked-rotor Power Factor               |                       | 91.9           |                             |
|                        |    |              |              | Rotor inertia                           |                       | 0.232 lb-ft²   |                             |

## Load Characteristics 115 V, 60 Hz, 1.5 HP

| % of Rated Load | 25   | 50   | 75   | 100   | 125   | 150  | S.F. |
|-----------------|------|------|------|-------|-------|------|------|
| Power Factor    | 94   | 98   | 98   | 98    | 97    | 96   | 97   |
| Efficiency      | 71.4 | 82.4 | 84   | 82.2  | 77.7  | 70.5 | 79.5 |
| Speed           | 1782 | 1765 | 1746 | 1723  | 1690  | 1642 | 1703 |
| Line amperes    | 3.54 | 6.02 | 8.84 | 12.06 | 16.08 | 21.4 | 14.5 |

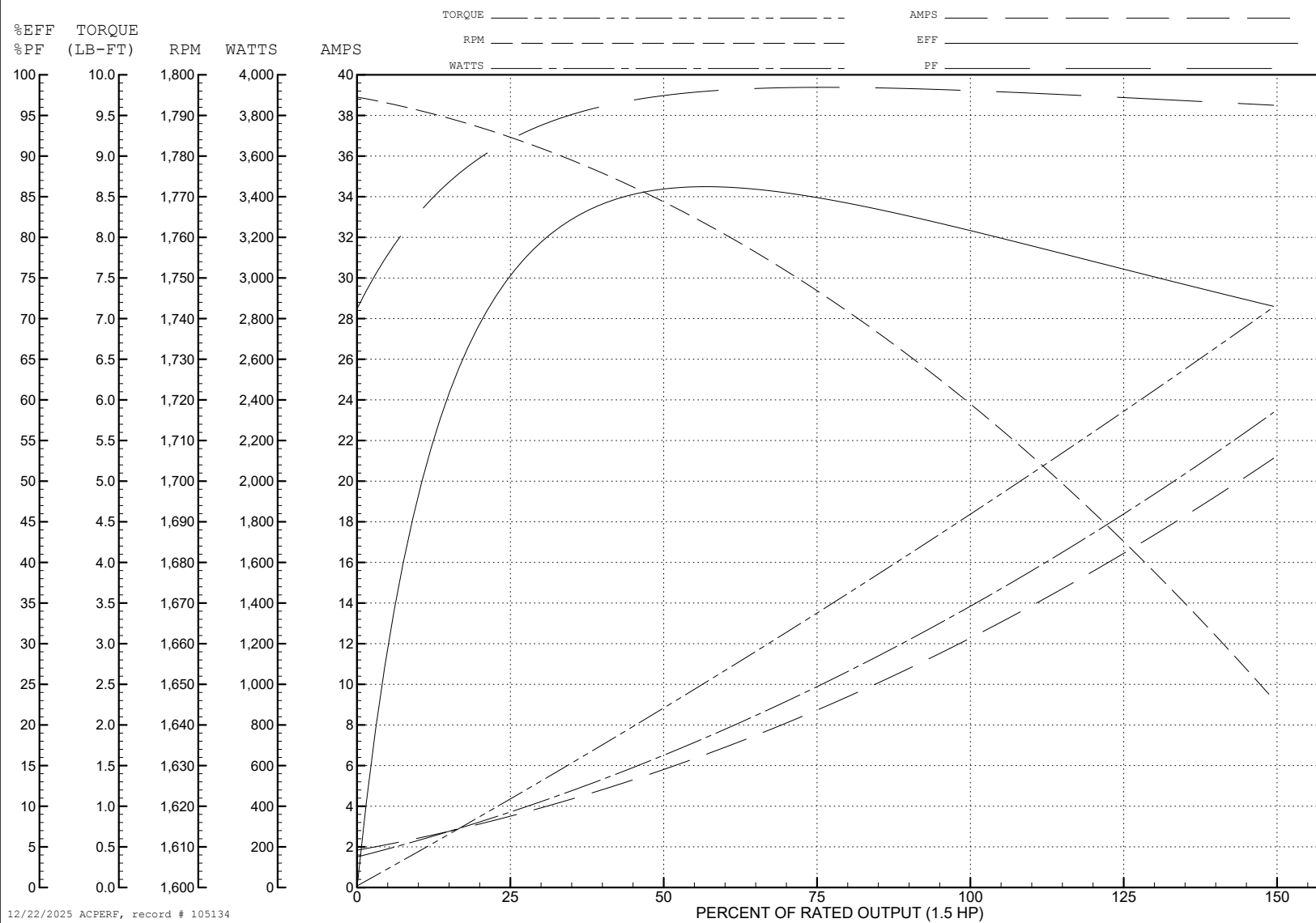
ABB Motors and Mechanical Inc.

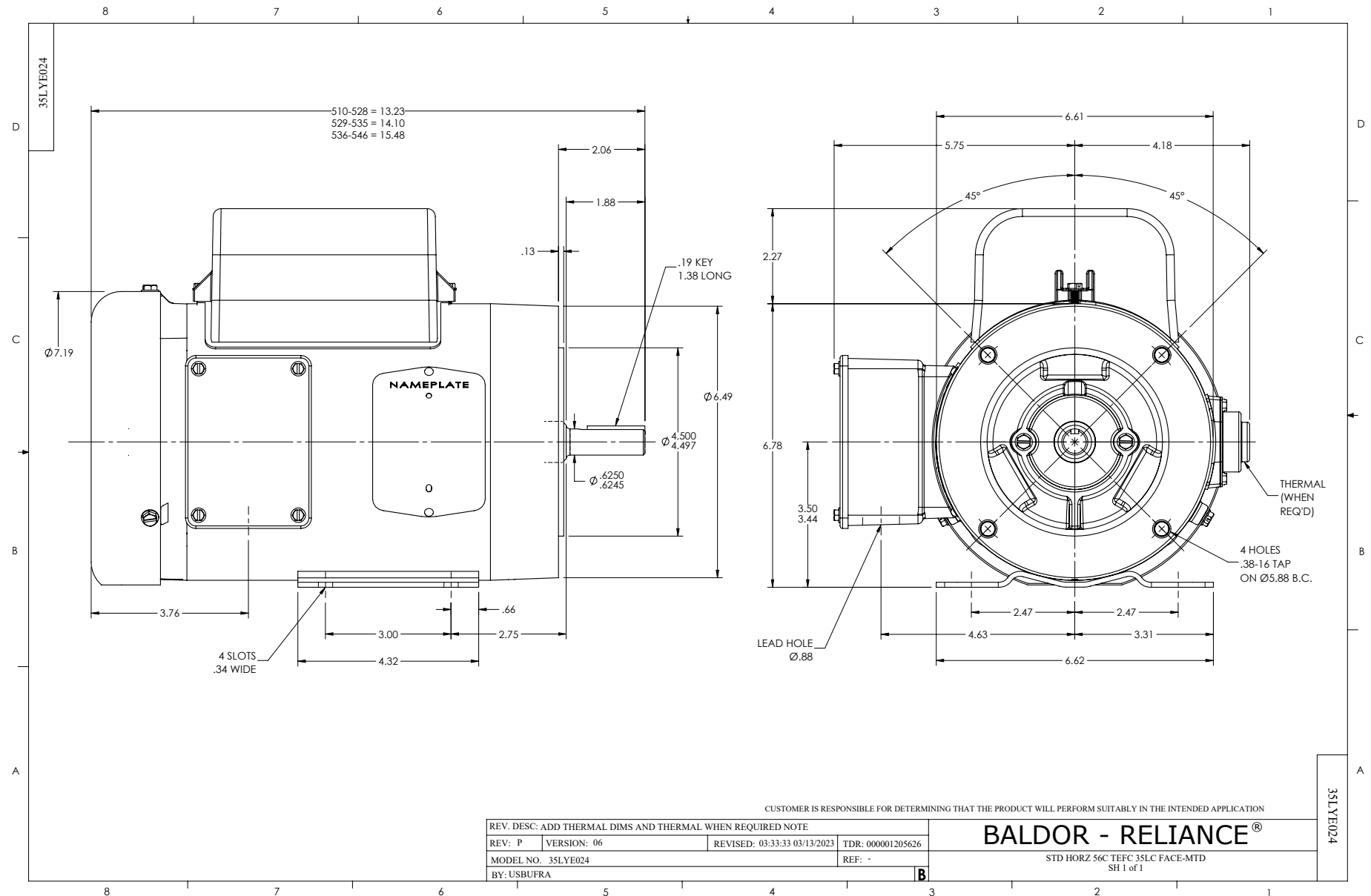
WINDING # 35WGG242

Typical performance - not guaranteed values.

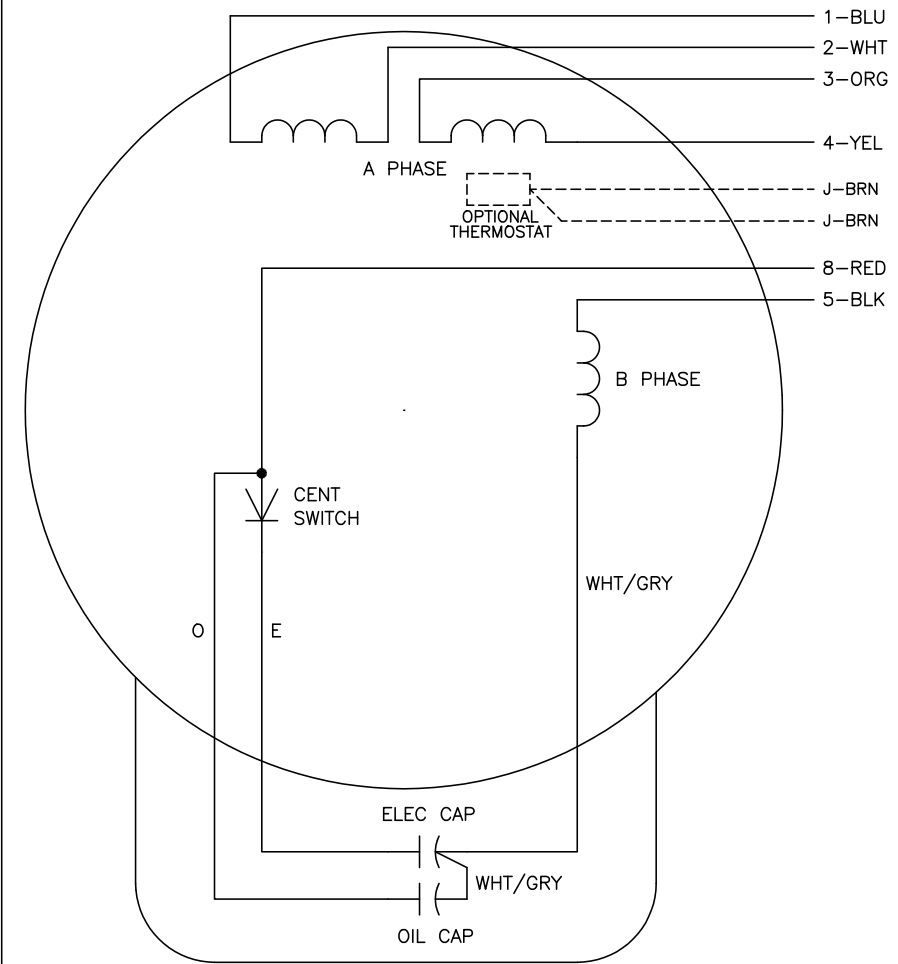
1.5 HP 1 PH 60 HZ 1725 RPM 115 V 3532LC

TORQUES (LB-FT): PO=9.9 PU=8.1 LR=13 LRA=88





CD0055



|          | LINE A | LINE B | JOIN  |
|----------|--------|--------|-------|
| HIGH STD | 1      | 4,5    | 2,3,8 |
| HIGH OPP | 1      | 4,8    | 2,3,5 |
| LOW STD  | 1,3,8  | 2,4,5  | —     |
| LOW OPP  | 1,3,5  | 2,4,8  | —     |

- NOTES:
- 1. STANDARD ROTATION IS CCW FACING END OPPOSITE SHAFT EXTENSION.
  - 2. OPTIONAL THERMOSTAT IS PROVIDED WHEN SPECIFIED.
  - 3. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
  - 4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0055

|                                           |         |                        |              |
|-------------------------------------------|---------|------------------------|--------------|
| REV. DESC: REVISE TO SHOW OPTIONAL COLORS |         |                        |              |
| REV. LTR: D                               | BY: JLP | REVISED: 04/08/99 1:17 | TDR: 0178636 |
| SS0000                                    |         | FILE: AAA00007414      | MDL: —       |
|                                           |         | MTL: —                 |              |

BALDOR ELECTRIC Co.

TYPE LC, DV, REV, 6 LEADS